LABDEX

Triple Layer Orbital Floor Shaker
LX100TFS

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Description

Triple Layer Orbital Floor Shaker LX100TFS is a multifunction device with a microprocessor PID control system and LCD Display. It has orbital oscillation mode, multi-dimensional balance drive and an 8-segment adjustable program controller. Designed with a 1080 x 680 mm tray size, a shaking speed range of 30 to 250 rpm and 50 mm vibration range and a powder-coated steel construction. A various type of platforms available make them ideal for use with culture flasks, bottles and other vessels.

Specifications

Controller	PID (Environmental scanning microprocessor)
Shaking mode	Orbital
Shaking speed	30 to 250 rpm
Shaking accuracy	± 1 rpm
Vibration range	50 mm
Shaking plate size	1080 × 680 mm
Program control	8 Segments (adjustable)
Working environment temperature	15°C~35°C
Drive mode	Single shaft 5-dimensions device
Convection mode	Natural convection
Display	7-inch colour LCD touch screen
Timing range	0 to 9999 hr or 0.9999 min
Shaking plate quantity	6 pcs

Chamber material	Polished stainless steel
External material	Steel with powder coating
Safety function	Monitoring timer, Audio and visual alarm for over temperature, Independent current leakage and over-load protection
Power	250 W
Power supply	AC 200 to 240 V, 50 to 60 Hz
Dimension (W × D × H)	1590 x 1120 x 1280 mm
Net weight	740 Kg
Packing dimension (W × D × H)	1640 x 1170 x 1380 mm
Gross weight	780 Kg

Features

- Microprocessor PID control system with LCD Display
- 8-segment adjustable program controller for settings of different speed and time
- Equipped with monitoring timer, independent over-speed acoustic and visual alarm, short circuit, independent current leakage and overload protection
- Power-off protection for motor overheating and over-temperature
- Having automatic stop and start with a time display, emergent stop button, hardware and software interlock
- Adjustable starting speed to protect the splash shake of liquid
- Came with a power-off recovery function
- Single-shaft 5-dimensions technology
- Chrome alloy and iron casting key parts

Applications

- Double Layer Orbital Floor Shaker is mainly used for cell culturing, staining/de-staining and general mixing in microbiology, chemistry, biochemistry, molecular biology and biomedical laboratories.

Standard Accessories

- 2 Flask shaking platform
- Flask clams (1 size is offered as standard configuration)

Optional Accessories

- USB data export interface
- Tube rack
- Microplate rack

Configuration

Flask specification	Maximum capacity
250 ml	450
500 ml	324
1000 ml	168

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